If you or your customers plan to attend the IEEE/IAS PCIC Conference in Denver September 26-29, be sure to join ABB for the “Introduction to Digital Switchgear” tutorial on Thursday, September 29. This is a great opportunity to reach out to customers who have shown interest in MV digital switchgear or may be suitable candidates to convert from conventional switchgear. Both IEEE members and non-members are welcome to attend.

Presented by ABB product experts Dr. Harsh Karandikar, Global Product Manager - Medium Voltage ANSI Switchgear/ANSI Switchgear Digital Initiatives, and Joemoan I. Xavier, Global Product Manager - ANSI Digital Substation Products & Digital Systems, this afternoon tutorial will be presented in two parts. The first part will introduce digital switchgear and provide an overview of the key technologies and the advantages of using sensors. Part two will cover the details of implementing protection and control with IEC 61850 technologies and sensors. The presenters will discuss the benefits of digital switchgear and use examples to explain the value proposition.

Tutorial summary:
Medium voltage (MV) IEEE/ANSI air-insulated switchgear is a key element of the electrical energy distribution system. The digital switchgear concept, at the MV distribution level, presents many operational advantages and is inherently safe. It is based on the combination of technologies such as switchgear condition monitoring sensors, current and voltage sensors, and IEC 61850 incorporated into modern numerical intelligent electronic devices (IEDs). When these technologies are combined in an optimal way, the advantages of digital switchgear include increased savings on safety, space, weight, and energy, flexibility towards changing load flows, faster delivery times, ease of handling last-minute load changes more easily, and the possibility of late customization. The tutorial will cover the background and characteristics of digital switchgear and contrast it with conventional switchgear. Two key component technologies - current and voltage sensors and IEC 61850-based protection and control - will be covered in detail. Practical experiences gained from early projects in the field will be covered.

How to register:
IEEE/IAS PCIC Conference registration is required to attend the tutorial. For more details about ABB digital switchgear, visit the webpage here.

For more information, contact:
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